

JP920010023US1
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Replacement Sheet

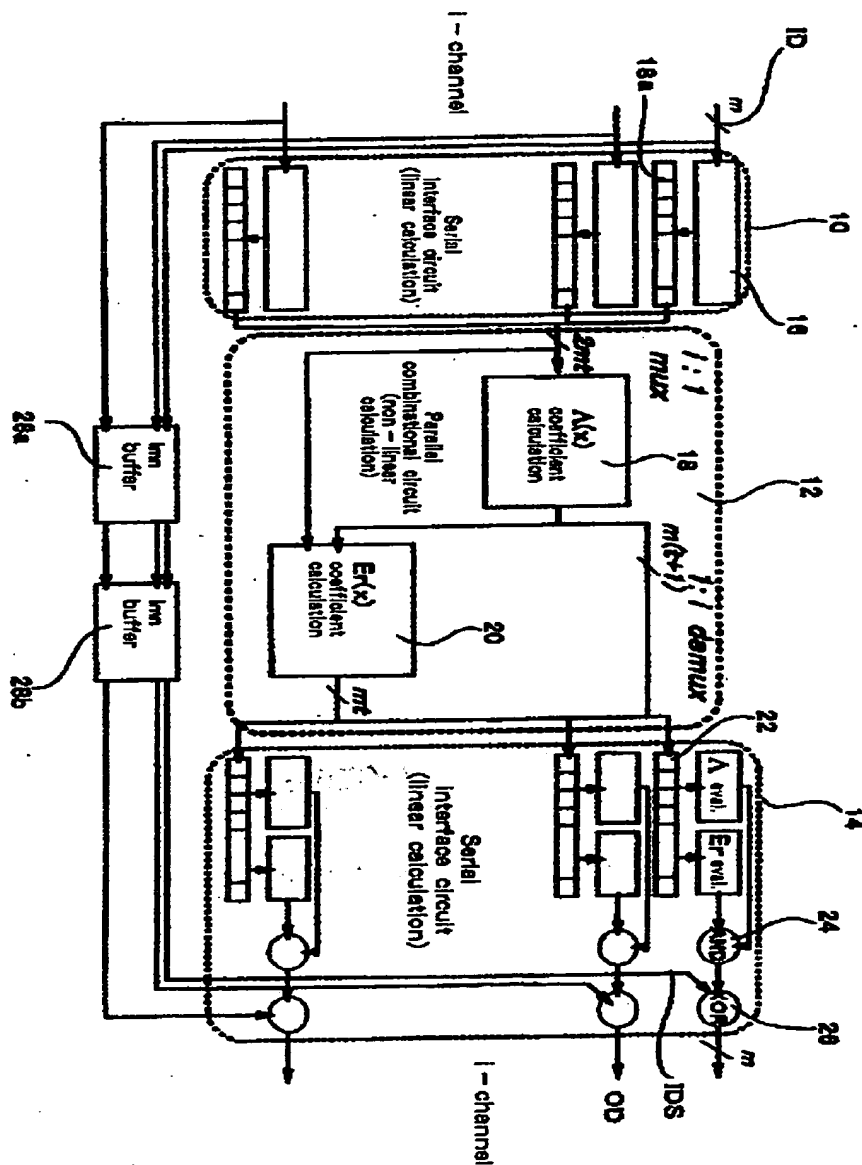


Fig. 6

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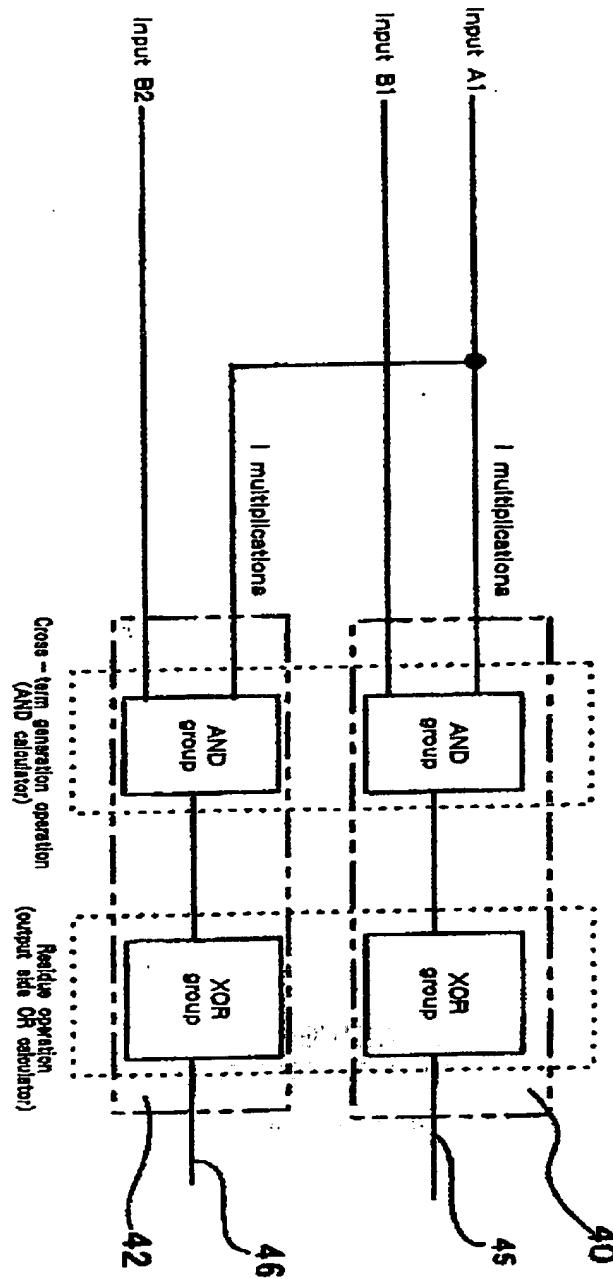


Fig. 7

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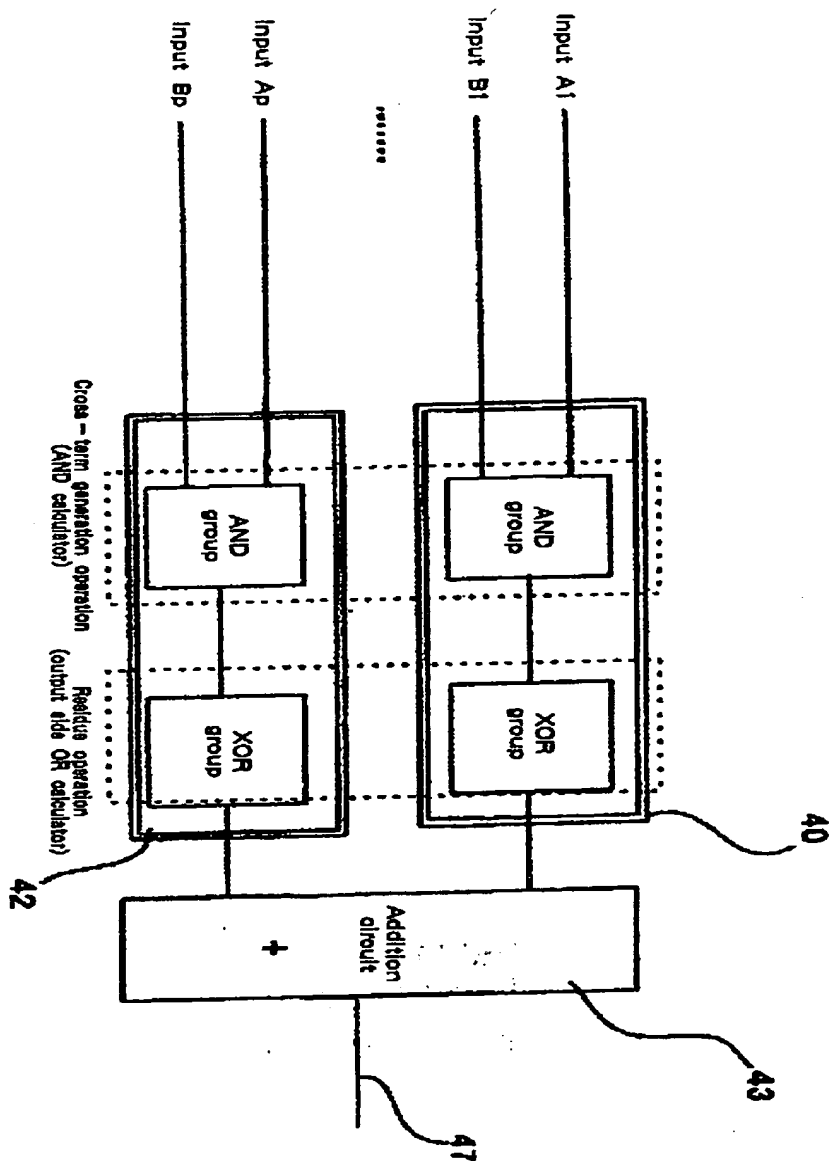


Fig. 8

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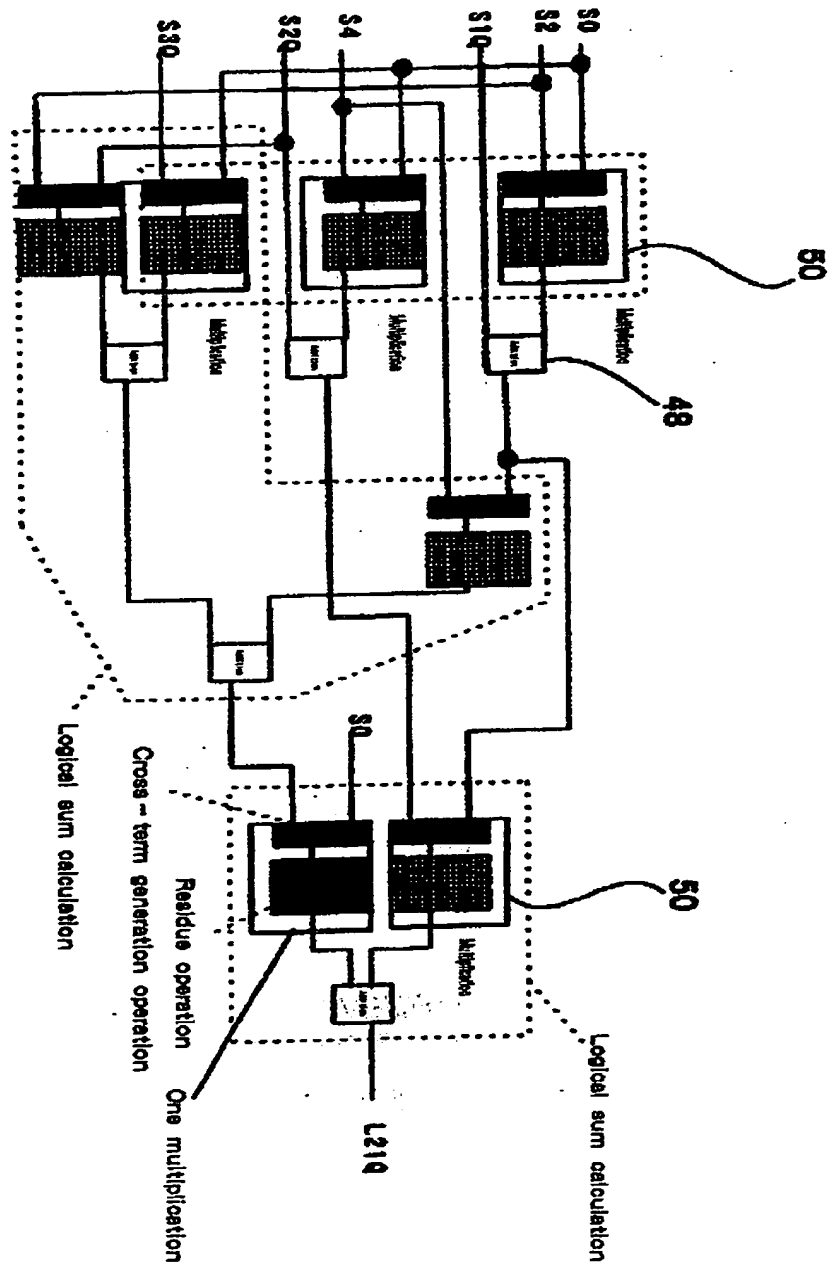


Fig. 9

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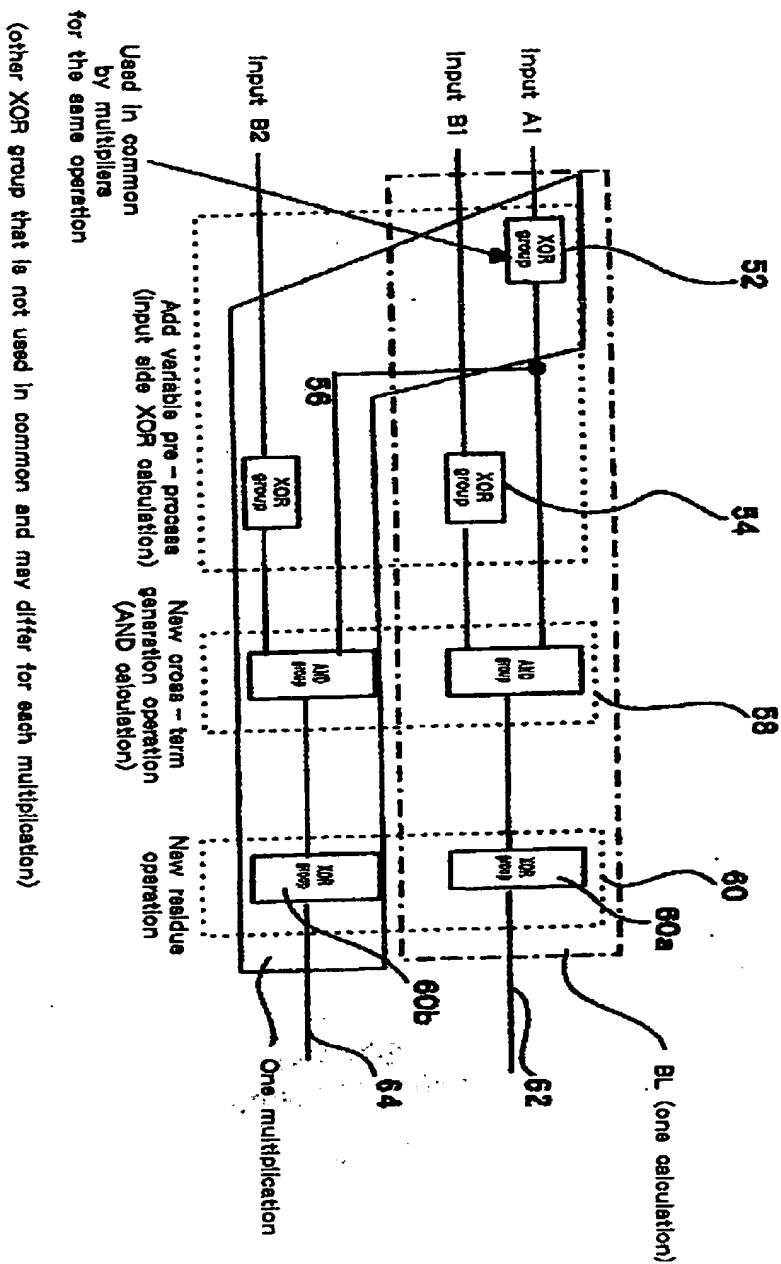


Fig. 10

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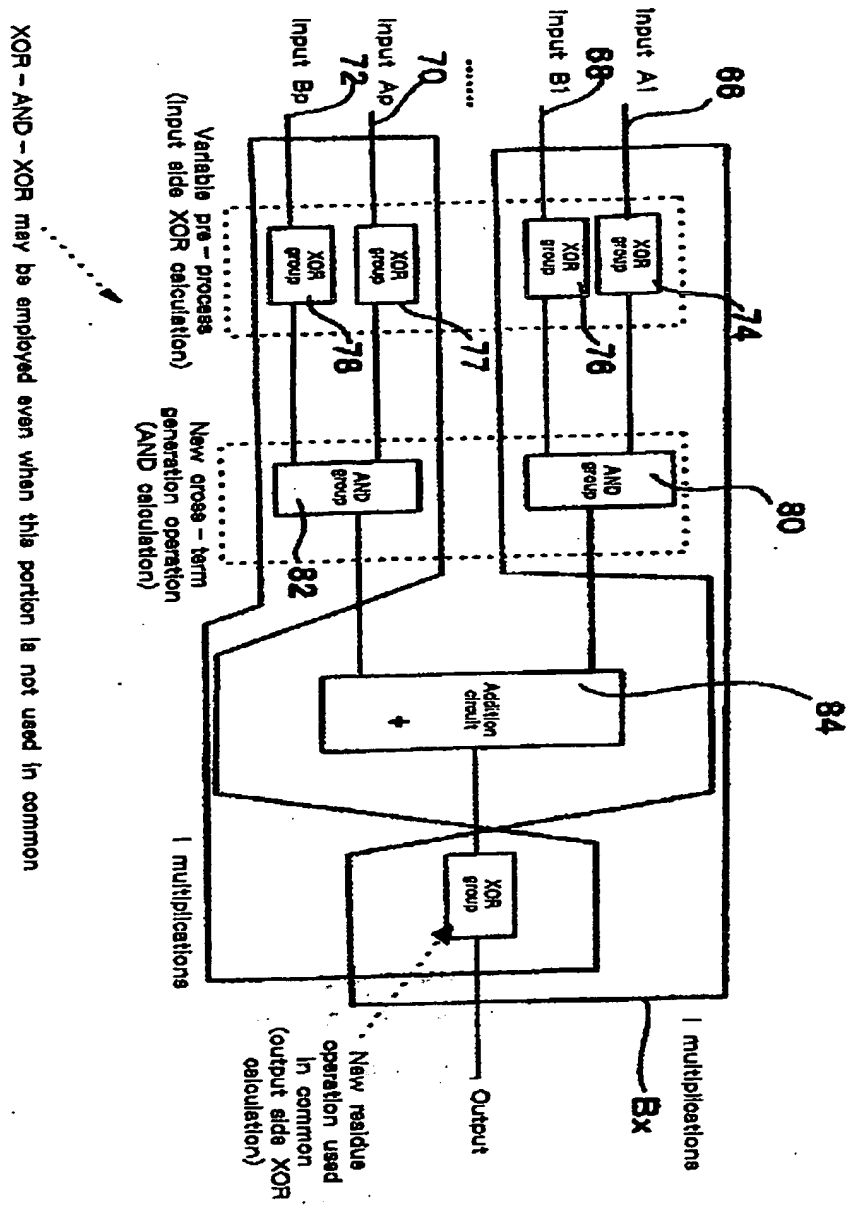


Fig. 11

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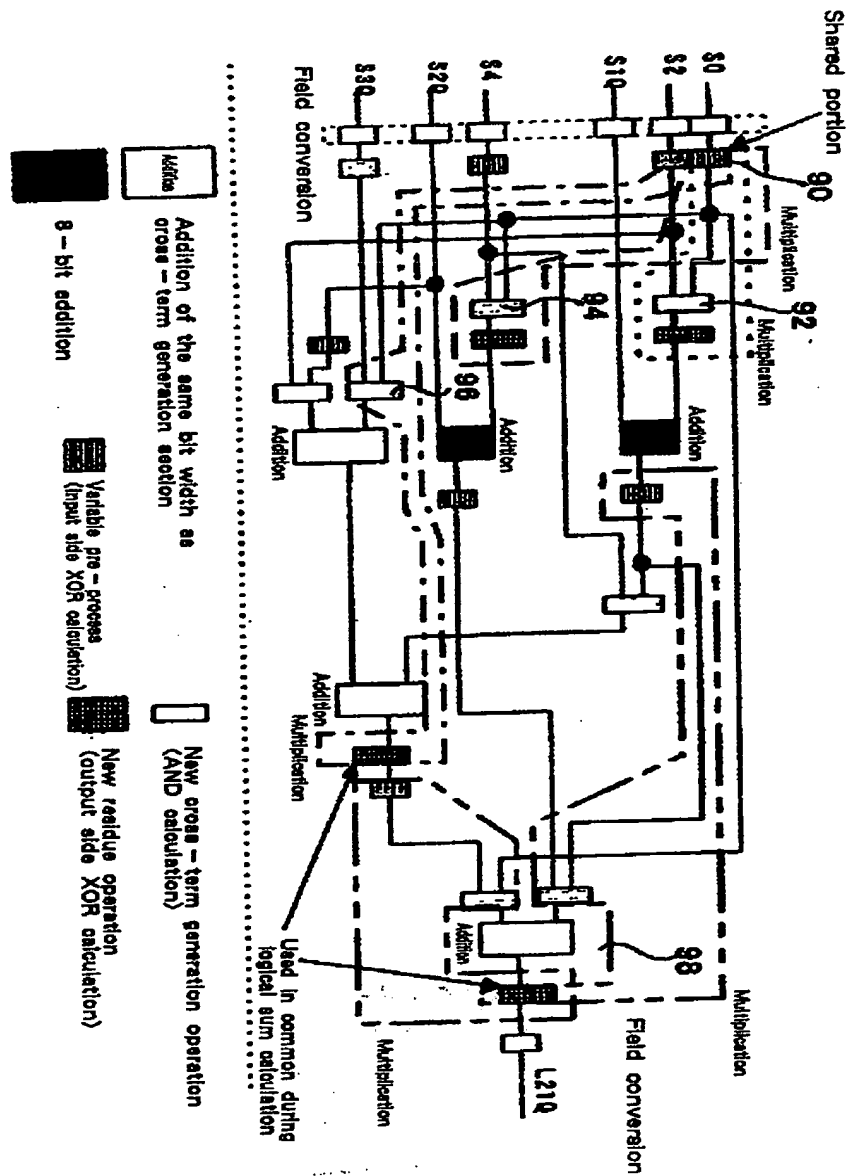


Fig. 12

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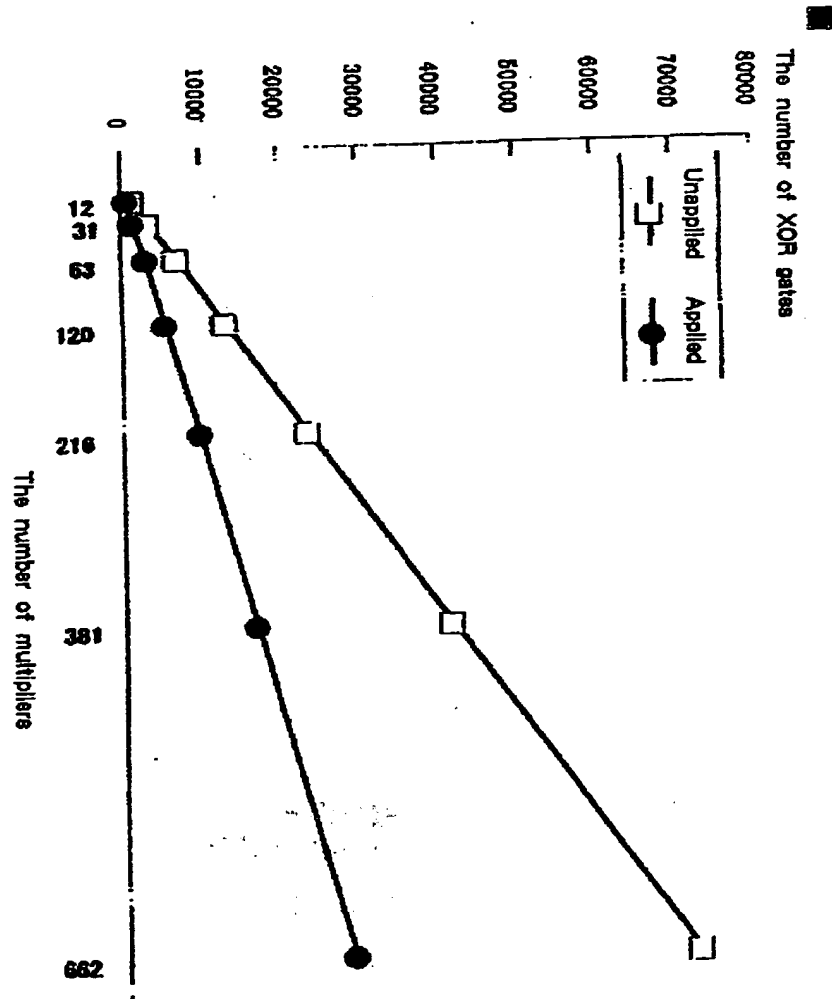


Fig. 13

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$$\Lambda_i^{\phi} = \frac{\bar{\lambda}_i^{\phi}}{\bar{\lambda}_0^{\phi}}, \quad i = 1, \dots, l$$

$$\bar{\lambda}_0^{\phi} = \begin{vmatrix} S_0 & \cdots & S_{l-1} \\ \vdots & \ddots & \vdots \\ S_{l-1} & \cdots & S_{2l-2} \end{vmatrix},$$

$$\bar{\lambda}_i^{\phi} = \begin{vmatrix} S_0 & \cdots & S_{l-1} \\ \vdots & \ddots & \vdots \\ S_{l+i-1} & \cdots & S_{2l+i-2} \\ S_{l+i} & \cdots & S_{2l+i-1} \\ \vdots & \ddots & \vdots \\ S_l & \cdots & S_{2l-1} \end{vmatrix}, \quad i = 1, \dots, l-1$$

$$\bar{\lambda}_l^{\phi} = \begin{vmatrix} S_1 & \cdots & S_l \\ \vdots & \ddots & \vdots \\ S_l & \cdots & S_{2l-1} \end{vmatrix}.$$

Fig. 15

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$$\Gamma_0^{(i)} = \begin{vmatrix} s_0 & s_1 & \cdots & s_{l-1} \\ s_1 & & & \vdots \\ \vdots & & \ddots & \vdots \\ s_{l-1} & \cdots & \cdots & s_{2-2} \end{vmatrix},$$

$$\Gamma_l^{(i)} = \begin{vmatrix} s_0 & \cdots & s_{l-1-i} & s_{l+1-i} & \cdots & s_l \\ \vdots & & \vdots & \vdots & & \vdots \\ s_{l-1-i} & \cdots & s_{2-1-i} & s_{2-i} & \cdots & s_{2-1-i} \\ s_{l+1-i} & \cdots & s_{2-i} & s_{2+1-i} & \cdots & s_{2+1-i} \\ \vdots & & \vdots & \vdots & & \vdots \\ s_l & \cdots & s_{2-1-i} & s_{2+1-i} & \cdots & s_2 \end{vmatrix} \quad i = 1, \dots, l-1$$

$$\Gamma_l^{(i)} = \begin{vmatrix} s_2 & \cdots & s_{l+1} \\ \vdots & & \vdots \\ \vdots & & \ddots & \vdots \\ s_{l+1} & \cdots & \cdots & s_2 \end{vmatrix}.$$

Fig. 16

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$$\Gamma_0^{(1)} = 1$$

$$\Gamma_0^{(2)} = S_0$$

$$\Gamma_1^{(2)} = S_2$$

$$\Gamma_0^{(3)} = S_0 S_2 + S_1^2$$

$$\Gamma_1^{(3)} = S_0 S_4 + S_2^2$$

$$\Gamma_2^{(3)} = S_2 S_4 + S_3^2$$

$$\Gamma_0^{(4)} = \Gamma_0^{(3)} S_4 + S_0 S_3^2 + S_2^3$$

$$\Gamma_1^{(4)} = \Gamma_0^{(3)} S_6 + S_0 S_4^2 + S_2 S_3^2$$

$$\Gamma_2^{(4)} = \Gamma_1^{(3)} S_6 + S_0 S_3^2 + S_4 S_3^2$$

$$\Gamma_3^{(4)} = \Gamma_2^{(3)} S_6 + S_2 S_3^2 + S_4 S_3^2$$

$$\Gamma_0^{(5)} = \Gamma_0^{(4)} S_6 + \Gamma_0^{(3)} S_3^2 + \Gamma_1^{(3)} S_4^2 + \Gamma_2^{(3)} S_3^2$$

$$\Gamma_1^{(5)} = \Gamma_0^{(4)} S_8 + \Gamma_0^{(3)} S_6^2 + \Gamma_1^{(3)} S_3^2 + \Gamma_2^{(3)} S_4^2$$

$$\det 03 = S_0 S_6 + S_3^2$$

$$\det 24 = S_2 S_6 + S_4^2$$

$$\Gamma_2^{(5)} = \Gamma_1^{(4)} S_8 + \Gamma_0^{(3)} S_3^2 + \det 03 \cdot S_3^2 + \det 24 \cdot S_4^2$$

$$\det 45 = S_4 S_6 + S_3^2$$

$$\Gamma_3^{(5)} = \Gamma_2^{(4)} S_8 + \Gamma_1^{(3)} S_3^2 + \det 03 \cdot S_6^2 + \det 45 \cdot S_4^2$$

$$\Gamma_4^{(5)} = \Gamma_3^{(4)} S_8 + \Gamma_2^{(3)} S_3^2 + \det 24 \cdot S_6^2 + \det 45 \cdot S_3^2$$

$$\Gamma_5^{(5)} = \Gamma_4^{(3)} S_8 + \Gamma_0^{(4)} S_3^2 + \Gamma_1^{(4)} S_6^2 + \Gamma_2^{(4)} S_3^2 + \Gamma_3^{(4)} S_4^2$$

Fig. 17

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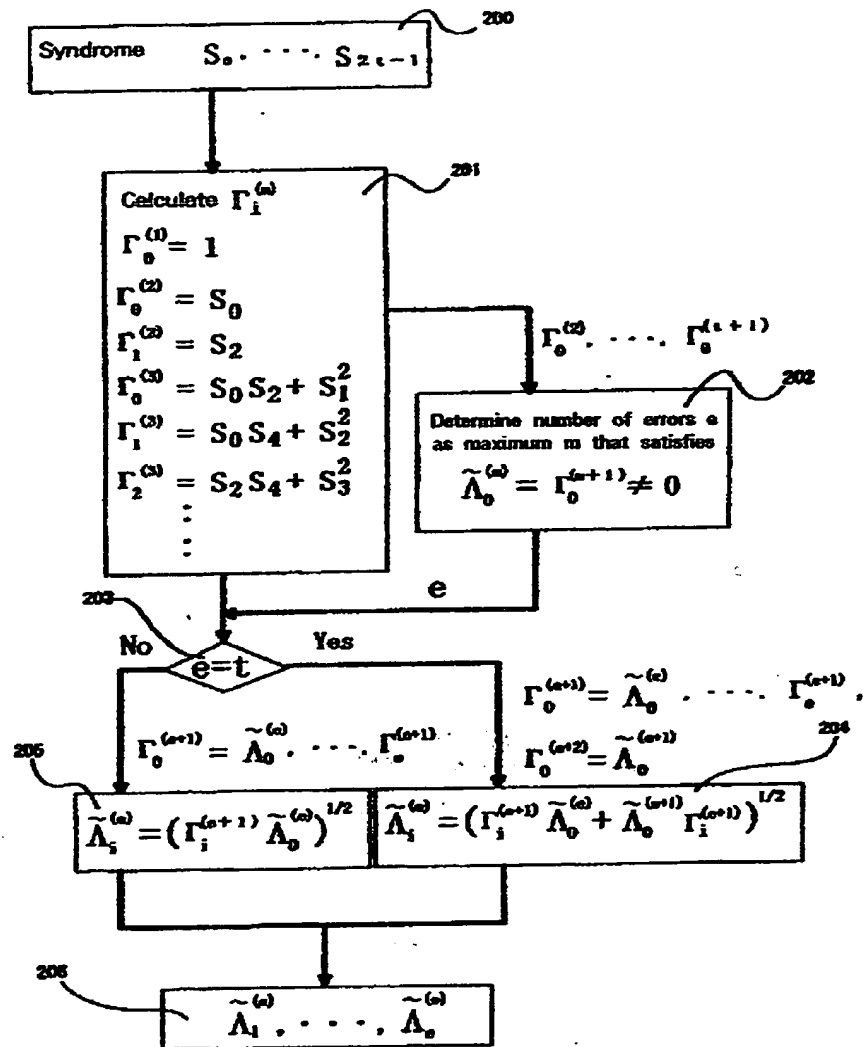


Fig. 18

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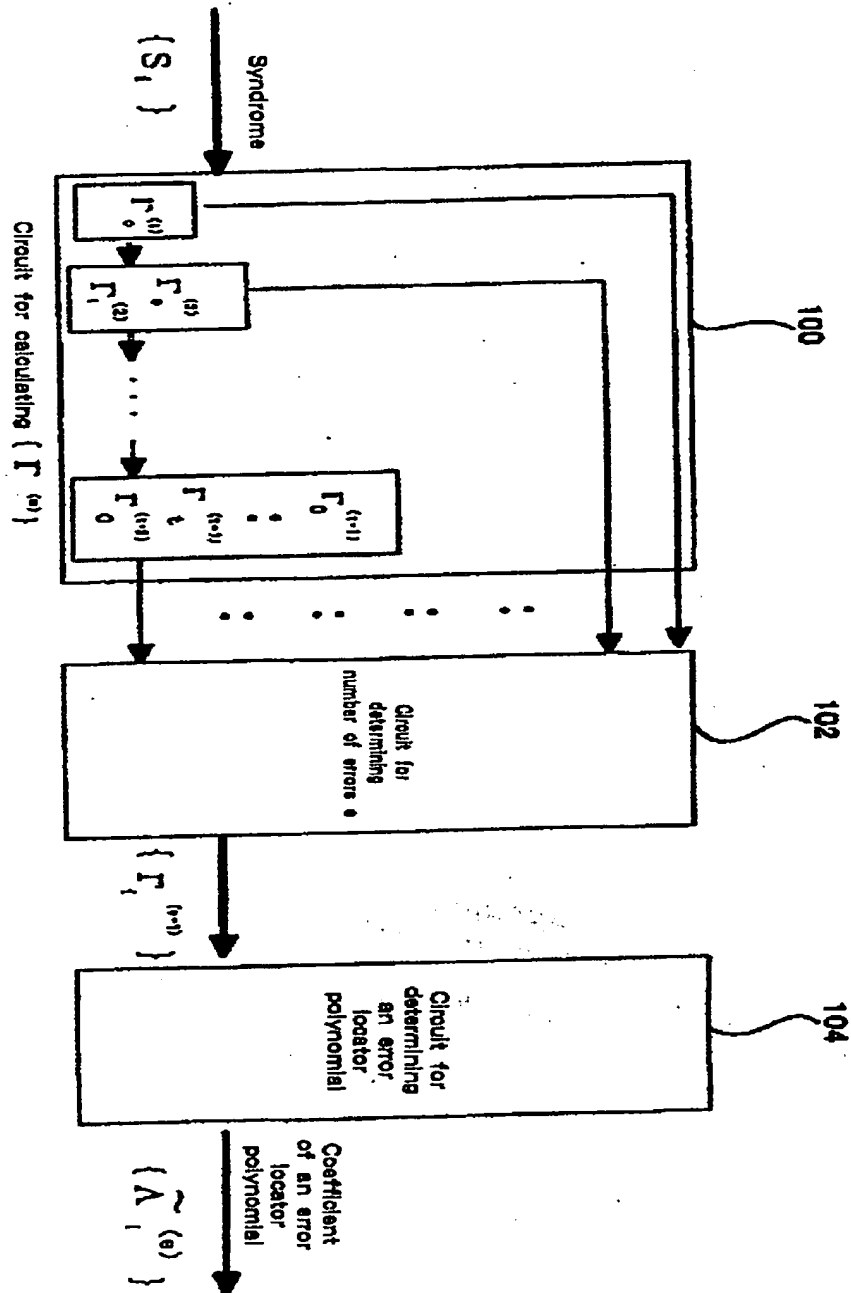


Fig. 19

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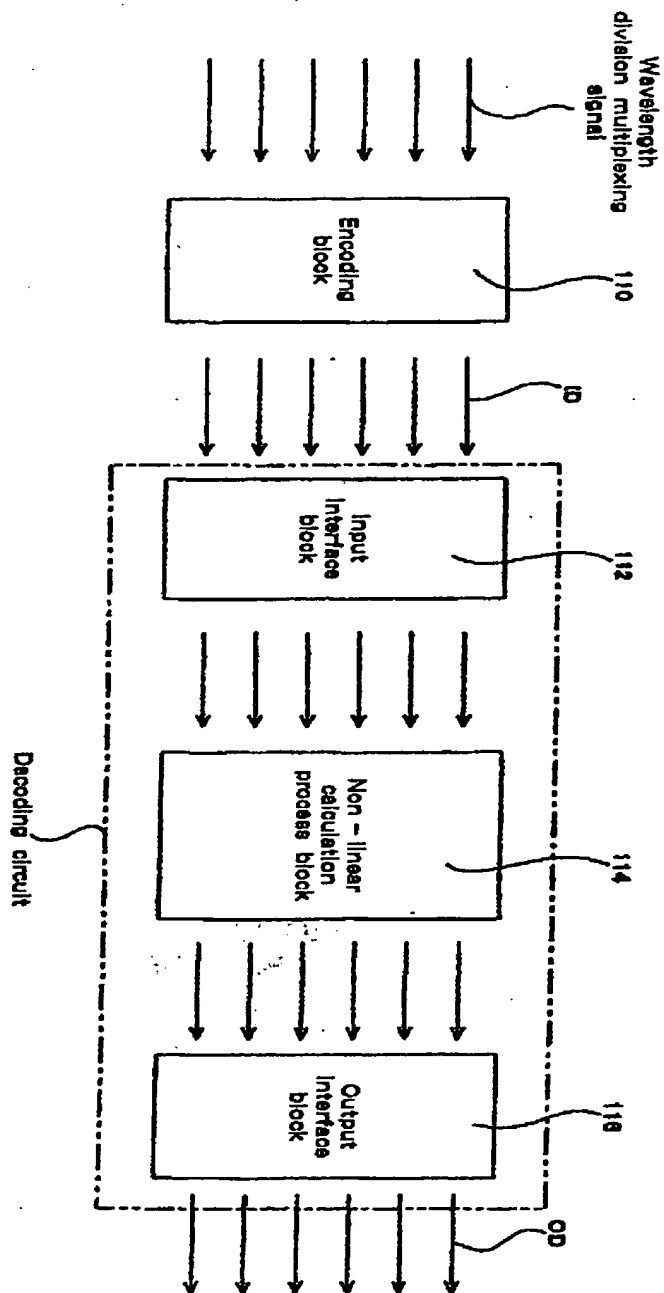


Fig. 20